

PATENT ABSTRACTS OF JAPAN

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(54) METHOD AND APPARATUS FOR INSPECTING BLOOD

(57)Abstract:

PURPOSE: To facilitate a measuring operation and to enable quick inspection by collecting blood samples into capillaries, separating blood-plasma and serum components from blood cell components and applying the blood-plasma and serum components to an analyzing element maintained at a constant temp.

CONSTITUTION: A device body 1 is constituted of the capillaries 3, a centrifugal separator 2 and the analyzing element 5. The blood is collected by the capillaries 3. The capillaries 3 are processed with the centrifugal separator 2 to separate the blood to the heavy blood cell component and the light blood-plasma and serum components. A conveying means 4 is formed to a disk shape and a heat medium is housed therein and is maintained at a constant temp.; further, plural grooves 8 are provided thereto and the analyzing elements 5 are preliminarily put therein. The capillaries 3 are cut and the parts of the capillaries 3 holding the blood-plasma and serum components are carried to a specimen applying part 13 of the conveying means 4 and the blood-plasma and serum components are applied to a pipetter 26 successively to the analyzing elements 5 and are measured by a photometric means 14. Since the blood-plasma and serum components are applied from the capillaries to the analyzing elements maintained at the constant temp., the quick and exact analysis is possible.

